C14–CM–306/C14–IT–**306**

4236

BOARD DIPLOMA EXAMINATION, (C–14)

MARCH/APRIL—2016

DCME—THIRD SEMESTER EXAMINATION

RDBMS

Time : 3 hours]   [*Total Marks* : 80

PART—A   3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write the purpose of database system.

2. What are the symbols used in E-R diagrams?

3. What is meant by data model?

4. What are the various data types present in SQL?

5. List any six arithmetic functions used in SQL.

6. Write the different types of join.

7. What is an integrity constraint?

8. State any three features of PL/SQL.

9. Write the steps how to declare explicit cursor with example.

$1\frac{1}{2}+1\frac{1}{2}=3$

10. List any three advantages of packages.

PART—B 10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain the overall structure of the database system with neat diagram.

12. What is meant by normalization? Explain various normal forms in detail. 2+8=10

13. Explain any ten numeric functions used in SQL.

14. *(a)* Write any six advantages of SQL. 5

(b) Explain about indexes. 5

15. Explain the procedure of creating, altering and dropping tables.

16. *(a)* Draw the architecture of PL/SQL. 5

(b) Explain exception propagation in PL/SQL. 5

17. *(a)* Explain about predefined exceptions. 5

(b) What is procedure? Write the syntax of a procedure in PL/SQL. 2+3=5

18. Explain the concept of stored subprogram.

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